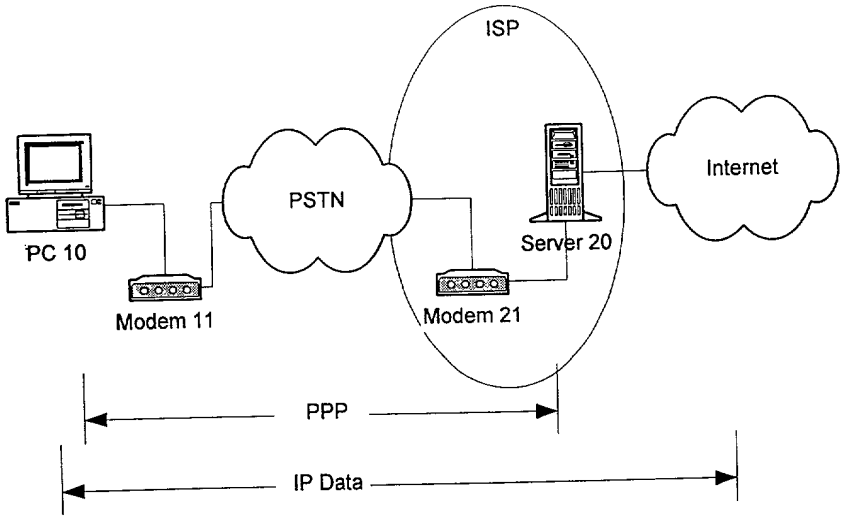

Figure 1
(PRIOR ART)

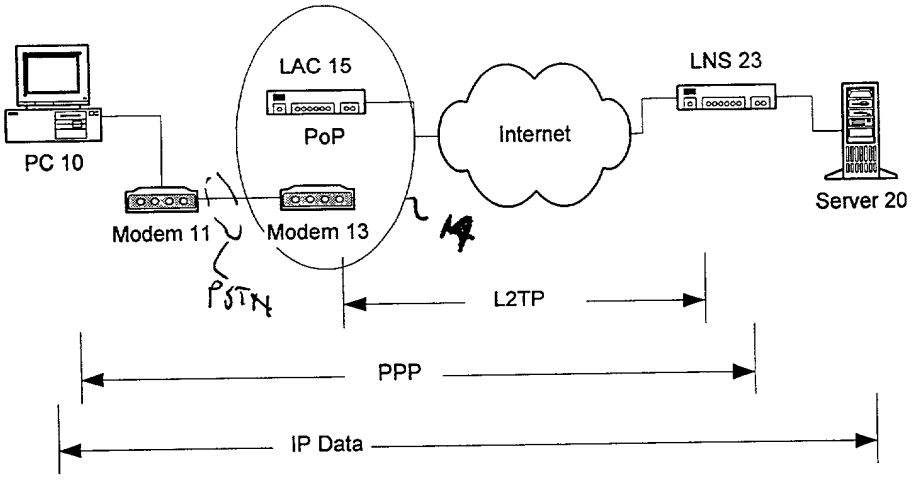

Figure 2
(PRIOR ART)

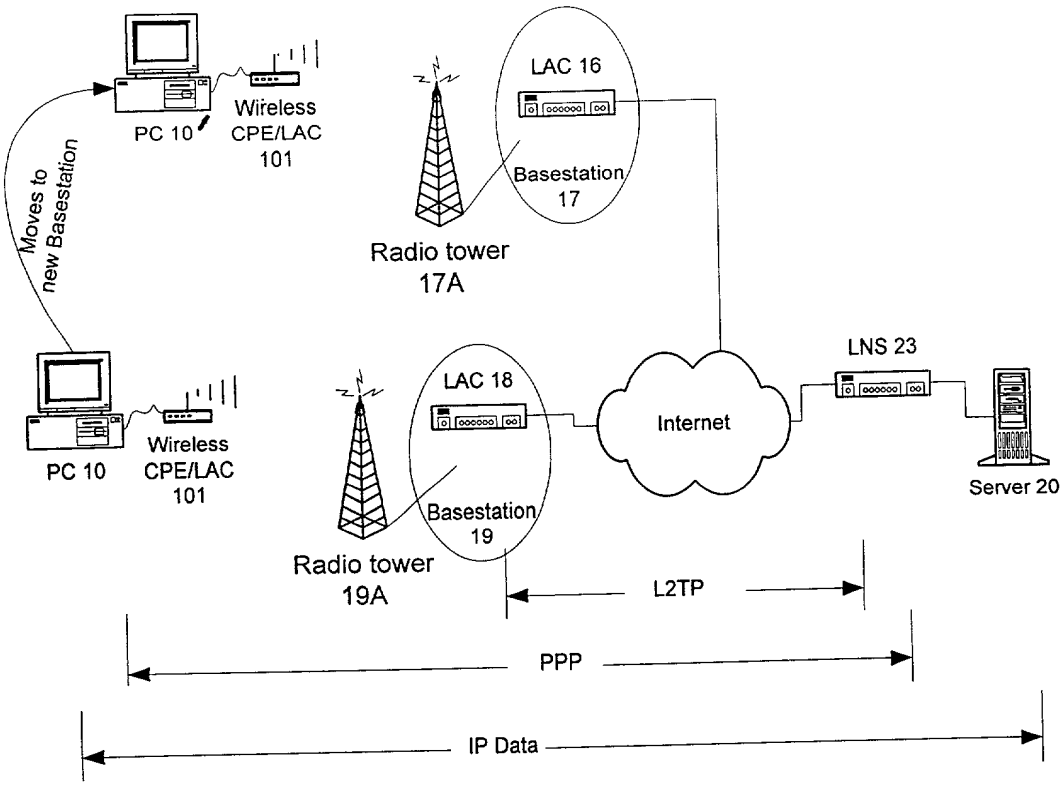

Figure 3
(PRIOR ART)

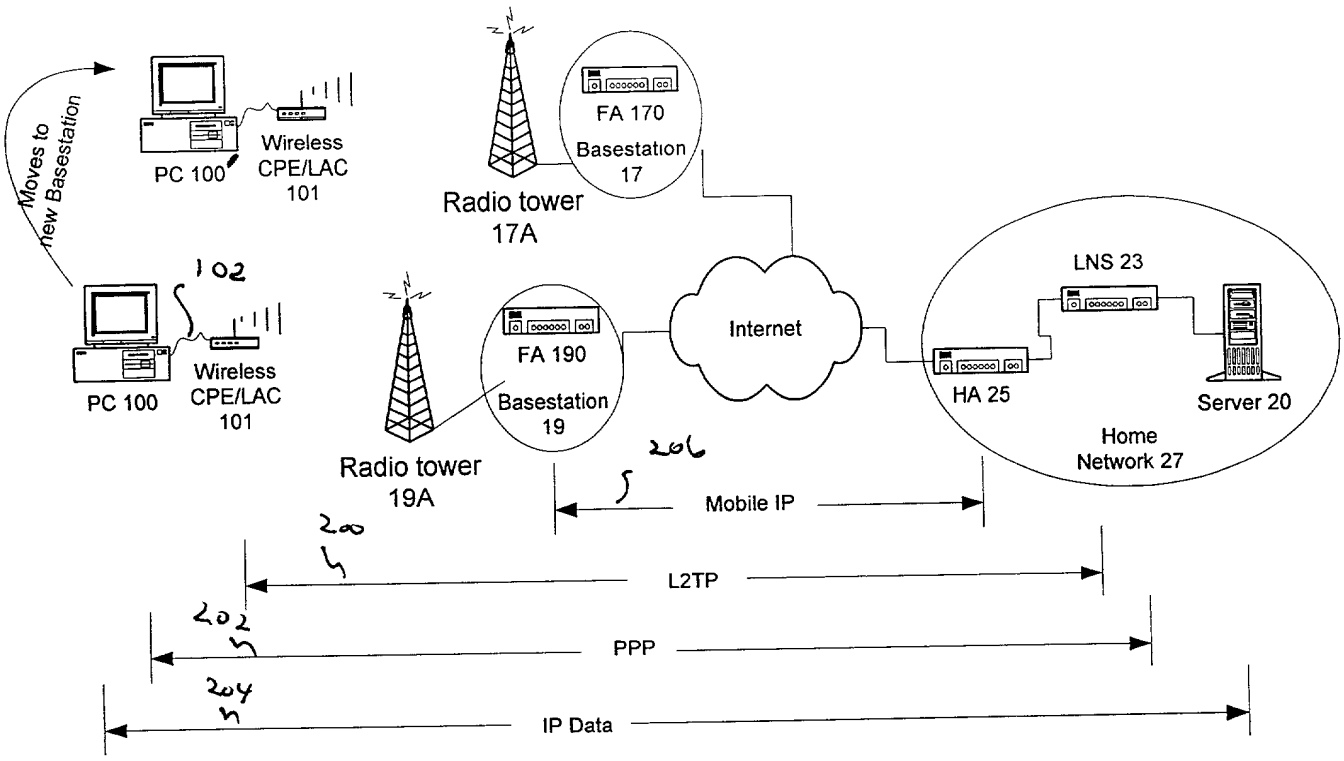
Moves to new Basestation
PC 100
Wireless CPE/LAC 101
102
PC 100
Wireless CPE/LAC 101
Radio tower 17A
FA 170
Basestation 17
Radio tower 19A
FA 190
Basestation 19
Internet
LNS 23
HA 25
Server 20
Home Network 27
206
Mobile IP
200
L2TP
202
PPP
204
IP Data

Figure 4

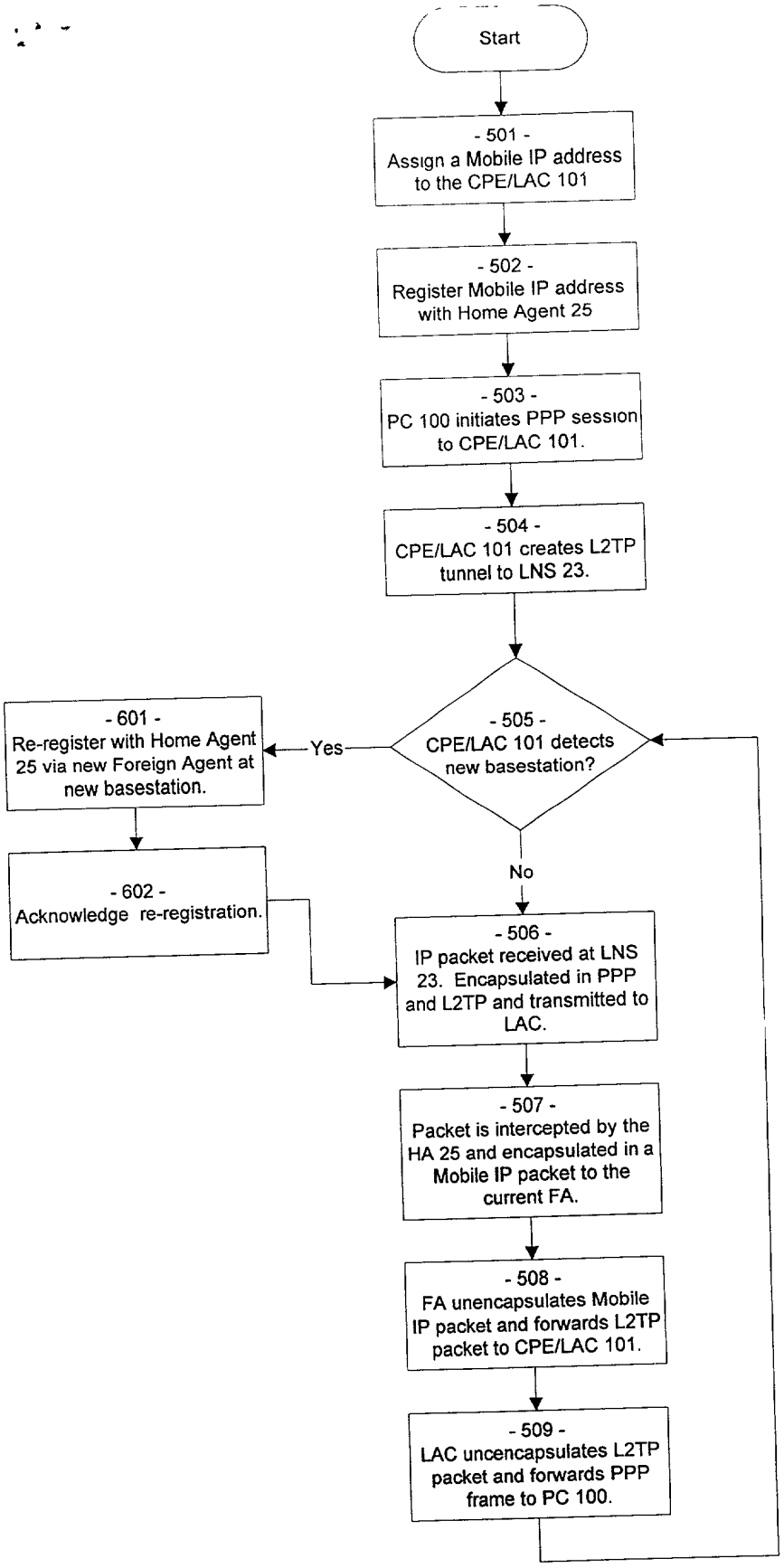
Start
- 501 -
Assign a Mobile IP address to the CPE/LAC 101
- 502 -
Register Mobile IP address with Home Agent 25
- 503 -
PC 100 initiates PPP session to CPE/LAC 101.
- 504 -
CPE/LAC 101 creates L2TP tunnel to LNS 23.
- 505 -
CPE/LAC 101 detects new basestation?
Yes
- 601 -
Re-register with Home Agent 25 via new Foreign Agent at new basestation.
- 602 -
Acknowledge re-registration.
No
- 506 -
IP packet received at LNS 23. Encapsulated in PPP and L2TP and transmitted to LAC.
- 507 -
Packet is intercepted by the HA 25 and encapsulated in a Mobile IP packet to the current FA.
- 508 -
FA unencapsulates Mobile IP packet and forwards L2TP packet to CPE/LAC 101.
- 509 -
LAC uncencapsulates L2TP packet and forwards PPP frame to PC 100.

Figure 5